

Form PTO-1449

Information Disclosure Statement
By Applicant

Docket: 91-579.9

SN: 09/115,492

Applicant: Mark E. TUTTLE et al.

Filed: 7/14/98

Art Unit: 1734

U.S. PATENT DOCUMENTS

Examiner's Initial	Patent Number	Date	Name	Class	Subclass	Filing Date If Appropriate
RRK	4,605,813	8/86	Takeuchi et al.	136	244	
RRK	4,608,323	8/86	Zaborney	429	167	
RRK	4,612,409	9/86	Hamakawa et al.	136	244	
RRK	4,783,646	11/88	Matsuzaki	340	572	
RRK	4,962,415	10/90	Yamamoto et al.	357	74	
RRK	4,981,672	1/91	de Neufville et al.	423	464	
RRK	5,162,172	11/92	Kaun	429	155	12/90
RRK	5,227,264	7/93	Duval et al.	429	153	2/91
RRK	5,497,140	3/96	Tuttle	342	51	8/92
RRK	5,776,278	7/98	Tuttle et al.	156	213	10/14/93
RRK	RE 35746	3/98	Lake	429	127	1/93

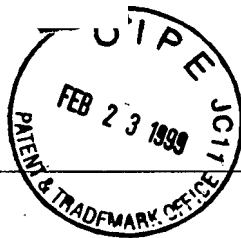
FOREIGN PATENT DOCUMENTS

Examiner's Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
RRK	2-021557	1/90	Japan	—	—	English Abstract only
RRK	2-179794	7/90	Japan	—	—	Partial
RRK	4-106865	4/92	Japan	—	—	English Abstract only

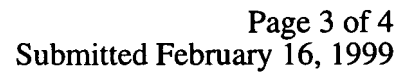
Examiner: *Dwight R. Koehler*

Date Considered: *May 7, 1999*

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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U.S. PATENT DOCUMENTS						
Examiner's Initial	Patent Number	Date	Name	Class	Subclass	Filing Date If Appropriate
RRK	3,750,167	7/73	Gehman et al.	342	44	
RRK	3,780,368	12/73	Northeved et al.	342	44	
RRK	3,832,530	8/74	Reitbock et al.	342	44	
RRK	3,849,633	11/74	Reitbock et al.	235	487	
RRK	4,049,969	9/77	Salonimer et al.	250	458	
RRK	4,262,631	4/81	Kubacki	118	723	
RRK	4,331,957	5/82	Enander et al.	343	6.8 R	
RRK	4,399,441	8/83	Vaughan et al.	343	6.5 SS	
RRK	4,418,411	11/83	Strietzel	371	67	
RRK	4,484,355	11/84	Henke et al.	455	76	
RRK	4,680,724	7/87	Sugiyama et al.	364	708	
RRK	4,727,560	2/88	Van Zanten et al.	377	60	
RRK	4,746,618	5/88	Nath et al.	437	2	
RRK	4,746,830	5/88	Holland	310	313. D	
RRK	4,756,717	7/88	Sturgis et al.	427	290	
RRK	4,777,563	10/88	Teraoka et al.	361	395	
RRK	4,827,110	5/89	Rossi et al.	235	376	
RRK	4,827,395	5/89	Anders et al.	364	138	
RRK	4,854,328	8/89	Pollack	128	736	
RRK	4,882,294	11/89	Christenson	437	90	
RRK	4,918,631	4/90	Hara et al.	364	708	
RRK	4,942,327	7/90	Watanabe et al.	310	313. R	
Examiner: <i>Robert Koehler</i>				Date Considered: <i>May 8, 1999</i>		
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U.S. PATENT DOCUMENTS

[illegible]

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OTHER DOCUMENTS			
Examiner's Initial	Author, Title, Date, Pertinent Pages, Publisher		
RRK	K. Casson et al., "High Temperature Packaging: Flip Chip on Flexible Laminate", January 1992, Surface Mount Technology, pp. 19-20.		
RRK	R.W. Johnson, "Polymer Thick Films: Technology and Materials", July 1982, Circuits Manufacturing (reprint).		
RRK	K. Gilleo, "Using SM Devices On Flexible Circuitry", March 1986, Electri-onics, pp. 20-23.		
RRK	C.W. Pierce; "Epitaxy"; 1988, 1983; page 55; in "VLSI Technology"; S.M. Sze, editor; McGraw-Hill Book Co.		
RRK	J. Rice; "Silica-coated films to go commercial in '93"; from Oct. 93 issue of "Food Processing".		
RRK	R.J. Nelson; "Plasma Enhanced Chemical Vapor Deposition of SiO _x Coatings for Gas Diffusion Barrier Enhancement of Flexible Polymerized Compounds"; presented 7/9/93 at Society for Research of Polymerized Compound Surfaces, Fukui City, Japan.		
RRK	A. Rizika; "Vapor Coating with SiO _x : The Flexible Glass Barrier"; presented Nov. 8-11, 1992 at Pack Expo '92 Conference, Chicago, Ill.		
RRK	"Airco coating technology announces contracts in its toll coating program"; 3/26/93 press release from Airco Coating Technology, Fairfield, CA.		
RRK	J.T. Felts; "Transparent Barrier Coatings Update: Flexible Substrates"; Airco Coating Technology, Concord, CA. (Publication date not shown; mailed by Airco to Mark Tuttle 9/21/93.)		
RRK	J.T. Felts; "Transparent Gas Barrier Technologies"; Airco Coating Technology, Concord, CA. (Publication date not shown; mailed by Airco to Mark Tuttle 9/21/93.)		
RRK	P. Ang; "Progress of QLF Barrier Coating"; Airco Coating Technology, Concord, CA. (Publication date not shown; mailed by Airco to Mark Tuttle 9/21/93.)		
RRK	Untitled page stating moisture barrier performance of QLF barrier coating on 12μ polyester film, Sample ID # R9-930316. (Publication date not shown; mailed by Airco to Mark Tuttle 9/21/93.)		
Examiner:	Date Considered:		
John R. Koehler		May 8, 1999	
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